

RESTORATION PLAN
OWL CREEK RESTORATION PROJECT
CONDON, MONTANA

PROJECT PARTNER



U.S. FISH AND WILDLIFE SERVICE
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PROJECT DESCRIPTION

THIS DESIGN REPRESENTS A RESTORATION PLAN FOR OWL CREEK NEAR CONDON, MONTANA. THE PRIMARY OBJECTIVE OF THE DESIGN IS TO RESTORE OWL CREEK TO A FUNCTIONING STREAM CHANNEL CAPABLE OF TRANSPORTING FLOWS AND SEDIMENT AND PROVIDING HIGH QUALITY HABITAT FOR THE TARGET FISH SPECIES. THE PLAN WILL ADDRESS OTHER LIMITING FACTORS INCLUDING FISH PASSAGE AND STREAM TEMPERATURE BY INCORPORATING A STREAM SIMULATION CULVERT DESIGN AND ISOLATING THE EXISTING ON-STREAM WETLANDS FROM THE MAIN OWL CREEK CHANNEL. ALL UNNECESSARY ROAD FILLS THAT ARE CURRENTLY IMPACTING CHANNEL, FLOODPLAIN, AND RIPARIAN FUNCTIONS WILL BE REMOVED AND DISTURBED AREAS WILL BE RE-CONTOURED AND STABILIZED. DISTURBED FLOODPLAIN SURFACES WILL BE RECLAIMED AND ACCESS TO THE CURRENT PASTURE WILL BE PROVIDED TO ACCOMMODATE EXISTING LAND USES.

BENCHMARK

SURVEY CONTROL WAS ESTABLISHED UNDER THE RESPONSIBLE CHARGE OF ANDREW BELSKI, PLS 14731. THE PROJECT COORDINATES ARE BASED ON THE FOLLOWING:
HORIZONTAL PROJECTION: MONTANA STATE PLANE
HORIZONTAL DATUM: NAD83 (NORTH AMERICAN DATUM OF 1983)
HORIZONTAL UNITS: US SURVEY FEET (GRID)
VERTICAL DATUM: NAVD88 GEOID 09

TMB 1000: NORTHING: 1186728.783
EASTING: 955859.267
ELEVATION: 4193.277

DRAWING INDEX

- CP-1 COVER PAGE AND NOTES

SP-1 SPECIFICATIONS

EC-1 EXISTING CONDITIONS - PLAN VIEW

EC-2 EXISTING CONDITIONS - PHOTOS

PV-1 PLAN VIEW INDEX

PP-1 PLAN AND PROFILE - REACH 1

PP-2 PLAN AND PROFILE - REACH 2

PP-3 PLAN AND PROFILE - REACH 3 & 4

TC-1 TYPICAL DESIGN CROSS SECTIONS - REACH 1 & 2

TC-1 TYPICAL DESIGN CROSS SECTIONS - REACH 3 & 4
- DT-1 LARGE WOOD HABITAT STRUCTURE

DT-2 SINGLE VEGETATED SOIL LIFT WITH BRUSH LAYERING

DT-3 DOUBLE VEGETATED SOIL LIFT WITH BRUSH LAYERING

DT-4 SOD MAT BRUSH BANK DETAIL

DT-5 CONSTRUCTED RIFFLE DETAIL

DT-6 ROCK STEP-POOL DETAIL

DT-7 ROCK ENERGY DISSIPATER STRUCTURE

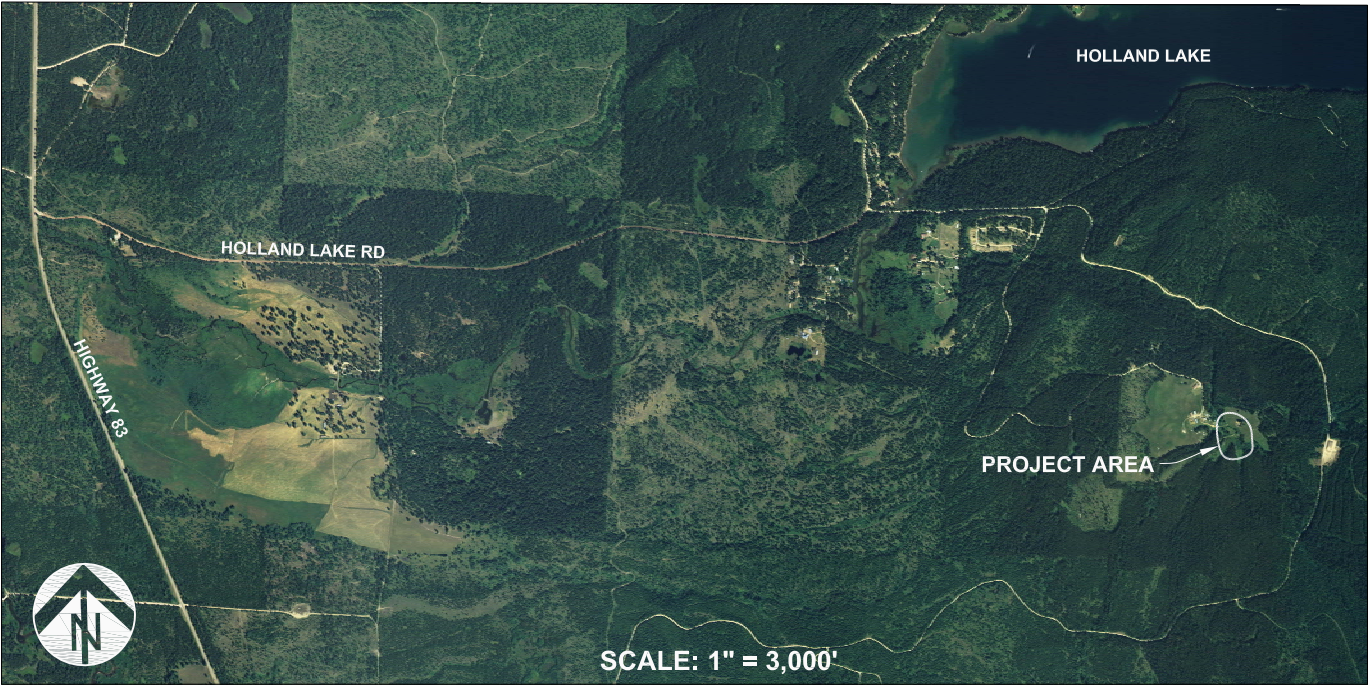
DT-8 TYPICAL STRUCTURE LAYOUT

DT-9 STREAM SIMULATION PIPE - ARCH CROSSING DETAIL

MT-1 MATERIALS LIST



PROJECT VICINITY MAP



LEGAL DESCRIPTION: NE ¼ SE ¼ SECTION 2, T19N R16W, P.M., M. MISSOULA COUNTY, MONTANA

COVER PAGE AND NOTES
Owl Creek Restoration Project
Condon, Montana

NO.	DATE	BY	DESCRIPTION	CHK				
					JM	JM		
1	1-10-17	NW	Design					
2	7-20-17	NW	RESTORATION PLAN					
PROJECT NUMBER					RDG-10-068			
SHEET NUMBER					CP-1			



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